

MEMORANDUM

TO: City Planning Commission
FROM: Wendy L. Rampson, Planning Manager
SUBJECT: **Annual Master Plan Review**
DATE: May 1, 2012

Article III of the Ann Arbor City Planning Commission Bylaws requires Commission review of the Master Plan each May. The purpose of the review is to identify policies that may need to be studied for possible change or new policies that should be added to the Master Plan, prior to the annual Commission work program being adopted. A public hearing has been scheduled for the May 1st meeting to allow citizens the opportunity to suggest changes.

State law requires that the Master Plan be evaluated for updating at least every five years. Commission members and committees currently are working on the South State Street and Washtenaw Avenue corridor plan efforts, the Sustainability Framework Plan, the Climate Action Plan and the update to the Non-Motorized Transportation Plan. The Master Plan Review Committee also recently met to discuss incorporating recommendations from the Huron River and Impoundments Management Plan into the Master Plan Land Use Element.

Attached is a draft resolution that reaffirms the existing master plan elements and identifies the master plan updates underway, in addition to a resolution identifying resource documents that support the master plan. Also attached is the city plan summary document that was compiled as part of the Sustainability Framework. The plans identified in this document may be candidates for the "Resource Information" list.

PROPOSED PLANNING COMMISSION MOTION

RESOLVED, That the Ann Arbor City Planning Commission hereby approves the "City of Ann Arbor Master Plan Resolution" and the "City of Ann Arbor Resource Information In Support Of The City Master Plan Resolution," dated May 1, 2012.

STAFF RECOMMENDATION

Staff recommends **postponing** the motion to allow Commission to consider comments provided at the public hearing and to discuss work program priorities at its annual retreat.

Attachments: Draft Master Plan Resolution
Draft Resource Information Resolution
Sustainability Framework: City Plans Summary

**CITY OF ANN ARBOR
MASTER PLAN RESOLUTION**

Whereas, The City Planning Commission is authorized by the Michigan Planning Enabling Act (P.A. 33 of 2008, as amended), to make and adopt a master plan for the City; and

Whereas, The City Master Plan serves as a guide for decisions and recommendations regarding the physical development of the City and for the implementation of related plans, policies and programs; and

Whereas, The City Planning Commission held a public hearing on May 1, 2012 to gather input regarding the City Master Plan; and

Whereas, The City Planning Commission has reviewed the planning documents listed below and finds that these documents represent the current plans for the City's land uses and its essential City facilities;

Resolved, The City Planning Commission hereby adopts the following documents to constitute the City Master Plan:

1. Land Use Element (2009)
2. Downtown Plan (2009)
3. Transportation Plan Update (2009)
4. Non-motorized Transportation Plan (2007)
5. Parks and Recreation Open Space Plan (2011)
6. Natural Features Master Plan (2004)

Resolved, The City Planning Commission will continue the process of developing comprehensive plans for the Washtenaw Avenue and South State Street corridors within the City to address land use, transportation and economic development in these areas;

Resolved, The City Planning Commission will assist in the development of a Sustainability Framework, in coordination with the Energy Commission, the Environmental Commission, Park Advisory Commission, Housing Commission and Housing and Human Services Board ~~and other commissions~~;

Resolved, The City Planning Commission will assist in the update of the Non-Motorized Transportation Plan, originally adopted in 2007;

Resolved, The City Planning Commission will update the Master Plan: Land Use Element to include land use recommendations from the Huron River and Impoundments Management Plan; and

Resolved, The approval date of this resolution shall be added to each of the documents here listed.

Approved by City Planning Commission
December 3, 2002
Revised May 1, 2007
Revised May 5, 2009
Approved As Is May 5, 2009
Approved June 1, 2010
Approved May 3, 2011
DRAFT May 1, 2012

**CITY OF ANN ARBOR
RESOURCE INFORMATION IN SUPPORT OF THE
CITY MASTER PLAN RESOLUTION**

Whereas, The Master Plan of the City of Ann Arbor is used by the City Planning Commission as a guide for decisions and recommendations regarding the physical development of the City and for the implementation of related plans, policies and programs; and

Whereas, Several valuable City studies and historical plans support the City Master Plan by providing additional detail for interpretation and implementation of the recommendations;

Resolved, The planning documents listed below shall be used by the Planning Commission and Planning staff as resource information in support of the City Master Plan:

1. Consolidated Strategy and Plan for Housing and Community Development Programs
2. Current Fiscal Year Capital Improvements Plan (2012)
3. North Main Street/Huron River Corridor Summary Land Use Policy (1988)
4. Library Block Planning and Urban Design Study (1991)
5. Fuller/Geddes/Conrail Corridor Study (1994)
6. Miller/Maple/Newport Traffic and Circulation Study (1995)
7. Briarwood Subarea Plan (1995)
8. Northeast Area Transportation Plan (2006)
9. Flood Mitigation Plan (2007)
10. Washtenaw County Access Management Plan (2008)
11. Washtenaw Avenue Corridor Redevelopment Strategy (2010)
12. Downtown Design Guidelines (2011)

Approved by City Planning Commission
December 3, 2002
Approved As Is May 5, 2009
Approved June 1, 2010
Approved May 3, 2011
DRAFT May 1, 2012



Sustainability Framework: City Plan Summaries

The purpose of this collection of plan summaries is to provide an overview of the City of Ann Arbor's plans.

With 26 plans across the City's four service areas, the one-page summaries in this collection create a uniform format to view each plan. This collection of plan summaries is part of an initiative to create a sustainability framework for the City of Ann Arbor.

The City of Ann Arbor Sustainability Framework aims to integrate the City's current plans and reorganize key sustainability goals into one central place. This initiative is supported by a grant from the Home Depot Foundation.

Staff at the City of Ann Arbor prepared this document.

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Summary Elements

Plan Name and Contact: Each summary includes the full name of each plan, any abbreviated name for the plan, and the plan's date. A contact person for each plan is also included.

Reviews and Approvals: This section includes approvals, reviews, and resolution numbers for each plan. The section specifically notes approvals by City Council, Energy Commission, Environmental Commission, Park Advisory Commission, and Planning Commission.

Vision Statement: The vision statement articulates the main purpose of each plan.

Goal: A goal is a statement that identifies a general guideline for what action to take. The goal does not speak to implementation but instead puts forth a long-term vision or idea. A goal is often a broad concept and is not directly actionable or measurable.

Objective: An objective is a specific strategy to achieve a goal. An objective is generally measurable and linked to a specific time or date for completion. Unlike a goal, an objective focuses on implementation.

Environmental Goal: The City of Ann Arbor has ten broad environmental goals developed by Ann Arbor's Environment Commission and approved by Ann Arbor's City Council. These goals include: Clean Air, Clean Water, Efficient Mobility, Health-Promoting Urban Environment, Local Food Sufficiency, Responsible Resource Use, Safe Community, Stable Climate, Sustainable Energy, and Viable Ecosystems. Each plan addresses one or more of these environmental goals.

Geographic Location: If a plan includes specific recommendations for a geographic area, the area is listed in this category.

Data and Indicators: Data and indicators refers to information used to track progress towards plan goals and objectives. In some plans, data and indicators are taken from Ann Arbor's *State of Our Environment Report* (a2gov.org/soe), which includes 60 indicators that measure success towards the City's ten environmental goals.

Key Plan Goals and Objectives: This table includes up to 10 goals for each plan and up to 3 objectives related to each goal. The purpose of this table is to provide a snapshot of a plan. This table does not include every goal and objective from each plan. For a full representation of goals and objectives, please refer to the original plan documents.

Types of Plans

City Goals

The City of Ann Arbor's budget for each fiscal year sets goals and objectives to track the progress of various programs and services, as well as a basis for future resource allocation. To draft these goals and objectives for city services, a list of overall City Guiding Principles and Goals are used as a guide. These goals are listed in the adopted FY 2012 City of Ann Arbor Budget.

Environmental Goals

Ann Arbor's City Council adopted a set of guiding principles and goals developed by the City of Ann Arbor Environmental Commission that capture the vision for a more sustainable Ann Arbor. City Council adopted these goals in 2007.

Master Plan

The City of Ann Arbor's Master Plan serves as a guide for public and private decision-makers regarding the future physical development of the City. The Master Plan is composed of documents, or elements, that cover the City's major geographical areas and its essential citywide facilities. On May 3, 2011, the Planning Commission approved a resolution establishing the City Master Plan elements and resource documents. Elements of the Master Plan have both Ann Arbor City Council and Planning Commission approvals.

Council-Approved Plans

Plans designated as "council-approved" refer to plans other than master plan elements that have formal approval by Ann Arbor City Council. These plans may also have approvals from other City of Ann Arbor commissions. These plans are often resource documents that supplement the City Master Plan by providing additional detail for interpretation and implementation of the recommendations. Council-approved plans are typically created through an existing commission or special committee that develops the plan and recommends it to City Council for their approval adoption.

Commission-Approved Plans

Plans categorized as "commission-approved" do not have formal approval from Ann Arbor City Council, but do have approval from one or more of Ann Arbor's city commissions. Commission-approved plans are typically created through an existing commission or special committee that develops the plan but the plan is either 1) not brought to City Council for further approvals or 2) has been brought to City Council but has not been adopted.

Other Plans

These plans do not have approval from Ann Arbor's City Council or any city commissions. These plans include studies and reports conducted for the City, County plans that address the City, plans developed by community-led groups, and plans that councils or commissions may approve in the future.

Resolutions and Ordinances

This section includes resources other than plans that provide direction and guidance to further Ann Arbor's sustainability initiatives.

City Goals

The City of Ann Arbor's budget for each fiscal year sets goals and objectives to track the progress of various programs and services, as well as a basis for future resource allocation. To draft these goals and objectives for city services, a list of overall City Guiding Principles and Goals are used as a guide. These goals are listed in the adopted FY 2012 City of Ann Arbor Budget.

City Guiding Principles

- Open and honest communication
- Integrity
- Partnership with community
- Trust
- Community and employee engagement
- Accountability
- Employee growth and enjoyment
- Teamwork
- Employee development opportunity

City Goals

1. Ensure the long-term financial health and stability of the City.
2. Deliver exemplary customer service.
3. Deliver and maintain a safe and reliable City-wide infrastructure.
4. Promote and implement environmentally sustainable practices which demonstrate the City's commitment to preservation and conservation of natural resources.
5. Deliver Organizational development programs to ensure progressive, reliable and high quality services to our community.
6. Work collaboratively to deliver affordable housing opportunities and access to supportive services.

Environmental Goals

Ann Arbor's City Council adopted a set of guiding principles and goals developed by the City of Ann Arbor Environmental Commission that capture the vision for a more sustainable Ann Arbor. City Council adopted these goals in 2007.

Environmental Action Plan Principles

- Needs can be met while maintaining environmental quality, public health, and the availability of natural resources for future generations.
- Environmental quality, economic vitality, and social equity are interdependent.
- Conservation, protection, and restoration of the natural environment are highly valued and quantifiable.
- Our city is part of larger regional and global communities; our actions impact their environmental, economic, and social equity conditions; and we intend that those impacts be positive.
- Public awareness is vital to ensuring environmental quality.
- Policymakers need to be informed with the best available information.
- Precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically.
- Meeting our environmental goals requires a combination of incremental and wholesale behavior changes and technology adoption.
- Collaboration is necessary in order to achieve our environmental goals.
- City government is an important partner with residents and businesses in our community with regard to our environmental goals
- The City of Ann Arbor strives to be at the forefront of sustainable living through its daily operations, capital improvements, and purchase of products.

Environmental Action Plan Goals

1. **Clean Air** - Eliminate air toxics, criteria pollutants, and persistent bioaccumulative toxins (PBT)
2. **Clean Water** - Ensure safe water for drinking, recreation, other uses, and other species
3. **Efficient Mobility** - Provide infrastructure and policies for efficient modes of transportation
4. **Health-Promoting Urban Environment** - Ensure that the built environment promotes public health and improvements to the natural environment
5. **Local Food Sufficiency** - Conserve, protect, and restore local agriculture and aquaculture resources
6. **Responsible Resource Use** - Produce zero waste
7. **Safe Community** - Eliminate damage to public health and property from natural and other hazards
8. **Stable Climate** - Eliminate net greenhouse gas
9. **Sustainable Energy** - Use 100% renewable energy
10. **Viable Ecosystems** - Conserve, protect, and restore aquatic and terrestrial ecosystems

Master Plans

The City of Ann Arbor's Master Plan serves as a guide for public and private decision-makers regarding the future physical development of the City. The Master Plan is composed of documents, or elements, that cover the City's major geographical areas and its essential citywide facilities. On May 3, 2011, the Planning Commission approved a resolution establishing the City Master Plan elements and resource documents. Elements of the Master Plan have both Ann Arbor City Council and Planning Commission approvals.

Master Plan – Land Use Element 2009

Vision Statement:

The purpose of the Land Use Element of the City Master Plan is to provide information and guidance to City residents, decision-makers, developers, and property owners about land use planning issues that face the City of Ann Arbor.

The City of Ann Arbor will be a dynamic community, providing a safe and healthy place to live, work and recreate. It will be a place where planning decisions are based, in part, on the interconnectedness of natural, transportation and land use systems. Natural systems, including air and water, natural features, native flora and wildlife habitats, will be improved and protected. It will be a place where the Huron River is a cherished part of the community and a focal point recreation. Downtown will continue to be a vibrant part of the community that ties all parts of the city together. Transportation systems will include enhanced opportunities for public transit, extensive opportunities for alternative modes of travel and improved management techniques to reduce the impact of traffic on existing streets and neighborhoods. Land use systems will be compatible and complementary, and will include residential, recreational, commercial, office, educational, institutional and industrial uses, which will provide extensive choices in housing (including low cost housing), shopping, employment and recreational activities. Historically significant buildings and neighborhoods will be preserved. The quality of life in Ann Arbor will be characterized by its diversity, beauty, vibrancy and livability and ultimately will depend upon the positive interaction of these systems.

Wendy Rampson, Planning Manager
Community Services, Planning

Review and Approvals:

City Council	Approved 11/5/2009 <i>Resolution No. 09-483</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved 5/5/2009
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

19 goals, 84 objectives

Environmental Goals:

Health-Promoting Urban Environment ; Viable Ecosystems;
Clean Water; Air Quality; Efficient Mobility; Safe Community

Geographic Location:

City of Ann Arbor

Data and Indicators:

Density along Transit Corridors; New Sidewalks with New Development; New Downtown Development; Mixed-Use Development along Transit Corridors; Non-Motorized Paths; Preservation of High-Quality Natural Systems

Key Plan Goals	Plan Objectives
To protect and restore woodlands, landmark trees, steep slopes, endangered species habitats, prairies and savannahs, the Huron River, creeks and native flora and fauna from the impacts of development	<ul style="list-style-type: none"> • Encourage developers to consider alternative land use designs that provide the best protection for existing natural features • Create educational materials that will provide information to decision-makers, developers and the public regarding the protection of natural features • Maintain and preserve natural open space corridors that are important to wildlife and plant life habitats
To achieve and maintain high quality watersheds to protect the health and welfare of the community and maintain the balance of natural systems	<ul style="list-style-type: none"> • Improve the quality of surface water, which enters the Huron River in the City of Ann Arbor
To improve air quality to protect the health and welfare of the public	<ul style="list-style-type: none"> • Encourage the use of mass transit and non-motorized modes of transportation through land use design and incentive programs to help reduce the total number of trips made by gasoline, diesel and other air polluting vehicles • Increase community understanding of air quality and air pollution sources
To reduce and prevent soil contamination to protect the health and welfare of the community and maintain the balance of natural systems	<ul style="list-style-type: none"> • Facilitate the clean-up of known contaminated sites • Increase community understanding of underground contamination and soil quality
To ensure that development projects are designed and constructed in a way that preserves or enhances the integrity of natural systems	<ul style="list-style-type: none"> • Encourage developers to use techniques to help protect or enhance natural systems • Review and modify City codes to help reduce the overall amount of impervious surfaces • Establish strong open space linkages with new development
To promote land use designs that reduce reliance on the automobile	<ul style="list-style-type: none"> • Locate higher residential densities near mass transit routes and in proximity to commercial, employment and activity centers • Improve the safety, accessibility and desirability of walking, biking or using mass transit • Improve transportation integration between neighborhoods
To provide a full range of housing choices (size, price, design, accessibility, etc.) that meets the existing and anticipated needs of all City residents	<ul style="list-style-type: none"> • Encourage affordable and accessible housing units to be constructed as part of new development projects • Encourage a variety of housing types within new residential and mixed-use projects
To support the continued viability, health and safety of City residential neighborhoods	<ul style="list-style-type: none"> • Encourage new development and redevelopment within established residential areas to complement the design elements of the neighborhood, including size and height • Locate common neighborhood services in areas that provide convenient and safe accessibility for residents • Provide extensive landscape buffering between residential neighborhoods and non-residential uses, including the freeways and railroads
To encourage commercial and employment centers that promote pedestrian activity, deemphasize the use of the automobile, and provide a sense of balance with surrounding land uses	<ul style="list-style-type: none"> • Support mixed-use, “village” centers in existing commercial areas • Encourage developers to design commercial and office centers where the parking lot is not the dominant feature from the road • Encourage neighborhood commercial uses that are compatible with surrounding neighborhoods
To encourage cooperation between the City educational institutions and between the City and Townships that surround Ann Arbor on development issues that affect each other	<ul style="list-style-type: none"> • Establish regular meetings and correspondence between the City and educational institutions regarding planning and development issues • Establish regular meetings and correspondence between the City and Townships regarding planning and development issues

Master Plan – Downtown Plan 2009

Vision Statement:

The Downtown Plan recommends policy objectives and plan concepts which will guide public and private development decision-making in the downtown area. The Downtown Plan's primary focus is Ann Arbor's 66-block Downtown Development Authority district, established as a tax increment finance district in 1982. This plan also makes recommendations for non-residentially zoned land adjacent to the DDA boundary and explores the downtown's role within the Central Area and the larger city. The plan addresses a broad range of issues concerning downtown's future -- from land use priorities and parking management objectives to more detailed design guidelines for enhancing downtown's pedestrian orientation and identity as a place.

Wendy Rampson, Planning Manager
Community Services, Planning

Review and Approvals:

City Council	Approved 6/15/2009 <i>Resolution No. 09-260</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved 5/19/2009
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

29 goals, 103 objectives

Environmental Goals:

Health-Promoting Urban Environment; Clean Water;
Efficient Mobility; Stable Climate

Geographic Location:

City of Ann Arbor - Downtown

Data and Indicators:

None

Key Plan Goals	Plan Objectives
Plan and maintain public infrastructure systems to sustain existing and future downtown development	<ul style="list-style-type: none"> • Develop asset management policies and strategies for all downtown water, sanitary, storm and transportation systems • Develop a plan for increasing downtown street tree plantings and optimizing planting success
Encourage dense land use and development patterns which draw people downtown and foster an active street life, contribute to its function as an urban residential neighborhood and support a sustainable transportation system	<ul style="list-style-type: none"> • Encourage more land use diversity throughout downtown by revising the premium system to provide incentives for housing within developments • Update zoning use regulations to incorporate new pedestrian-oriented uses, such as live-work units • Develop standards to limit nuisance noise and lighting impacts from development
Promote downtown as the center of commerce in the community. Strengthen and expand a balanced mix of downtown’s active uses	<ul style="list-style-type: none"> • Attract a variety of new businesses to the downtown particularly those which are locally owned and serve a growing downtown residential population • Increase capacity of existing businesses in the downtown to ensure that businesses can remain viable and take advantage of opportunities for future growth
Encourage a diversity of new downtown housing opportunities and the expansion of the downtown resident population to strengthen downtown’s role as an urban neighborhood. Continue to seek a range of age groups and income levels in the downtown	<ul style="list-style-type: none"> • Revise existing zoning premiums, and provide premiums where not currently available, to create incentives for downtown residential use • Continue to make housing a priority use of public land offered for private development. • Encourage the development and/or expansion of downtown grocery stores and convenience services for downtown residents
Encourage downtown’s highest density development and tallest buildings to locate within the core areas to create the critical mass of activity and density needed to support a range of central retail, service, cultural, residential, and entertainment functions and transportation modes	<ul style="list-style-type: none"> • Incorporate recommended land use and urban design objectives, including the consideration of height limits, into overlay zoning districts for the review and approval of projects in the Core Areas • Discourage “auto oriented commercial” land uses • Encourage structured (rather than surface) parking that integrates bicycle, motorcycle and moped parking with vehicular parking
Preserve and enhance incremental transitions in land use, density, building scale and height in the Interface areas located between downtown’s neighborhood edges and Core Areas	<ul style="list-style-type: none"> • Reduce maximum permitted FAR’s of 600% and maintain height limits in the Interface zone, giving special consideration to adjoining residential neighborhoods. • Revise principal permitted land uses to encourage a shift in land use emphasis from “autooriented” and light industrial to mixed use buildings
Protect the livability of residentially zoned neighborhoods adjacent to downtown	<ul style="list-style-type: none"> • Reduce parking pressures in neighborhood areas • Minimize through automobile traffic impacts on neighborhood streets
Encourage new development to reinforce historic buildings’ contribution to downtown’s identity and pedestrian orientation	<ul style="list-style-type: none"> • Develop additional guidelines for compatible infill development in areas where buildings share valued design characteristics • Evaluate the need for/desirability of compensating owners of designated properties through a Transfer of Development Rights program
Encourage both rehabilitation and new development projects to enhance the pedestrian scale and orientation of streets	<ul style="list-style-type: none"> • Adopt design guidelines for the street frontage of new development and rehabilitation projects based on the character of the adjoining streets • Encourage new development to incorporate urban nature whenever possible
Improve transit service within the downtown connecting existing and regional transit facilities	<ul style="list-style-type: none"> • Reduce future increases in peak traffic and parking demand by adopting parking pricing and enforcement policies • Design and locate transit stations and major stops to ensure that they are surrounded by active uses and incorporate well-designed pedestrian amenities

Master Plan – Transportation Plan Update 2009

Vision Statement:

“An integrated multi-modal system that will build upon the unique qualities of each part of the city” is the City of Ann Arbor’s vision for its transportation system. To achieve this vision, the transportation plan is focused on meeting the needs of all transportation users: pedestrians, bicyclists, transit users, commercial trucking, and motorists.

The city’s transportation philosophy is to improve safety, reduce emissions, and reduce congestion not by widening streets, but through a series of transportation improvements and policy changes. The city has an adopted goal of "Supporting a safe and reliable municipal infrastructure." This indicates the priority to maintain the existing system and is related to the first goal below to provide effective access and mobility for people and goods. The city is committed to properly maintain the transportation system currently in place.

Many of the recommendations in this Plan incorporate the best transportation and land use principles being used by other progressive cities, but with careful refinement to acknowledge and support the unique qualities of Ann Arbor and the high expectations of its residents, employers and visitors. The Plan directs investment and decision making toward mobility and accessibility for all user groups, building on the success of the 1990 plan and setting a course for the next 20 years.

Eli Cooper, Transportation Planner
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 5/4/2009 <i>Resolution No. 09-165</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

8 goals, 117 objectives

Environmental Goals:

Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Bus Ridership; go!pass Participation; Park & Ride Lot Use; Bicycling Commutes; Walking Commutes; Single Occupancy Trips; Car Pool Commute Trips

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Provide effective access and mobility for people and goods, with minimal negative impacts for all	<ul style="list-style-type: none"> • Apply a <i>Complete Streets</i> concept to roadways • Improve and manage vehicular elements such as corridor congestion, intersection operations, safety, truck routes and access • Expand the existing adaptive signal system, SCOOT
Protect and enhance the natural environment and energy resources, and the human and built environment	<ul style="list-style-type: none"> • Minimize roadway widening and maximize current efficiency • Encourage shift in modes from the automobile by providing other transportation options to meet future demand • Complete the Huron River Greenway Border-to-Border Trail
Promote a safe, secure, attractive, and productive transportation system	<ul style="list-style-type: none"> • Improve locations with high crash incidents by implementing traffic calming measures • Improve downtown public parking in collaboration with the DDA • Improve AATA stop amenities along Routes 4, 9, 16, 18, and 36
Invest in transportation infrastructure in a manner consistent with other goals, and within the financial constraints of public/private resources	<ul style="list-style-type: none"> • Complete short-term projects listed in Transportation Improvement Plan (TIP) and execute easy projects • Continue to develop the diversification of Ann Arbor’s transportation system by emphasizing non-motorized and transit modes while also maintaining efficiency in the roadway network • Assess potential for “Place Based” tax increment funding for corridor enhancements
Promote cooperation between the City of Ann Arbor and other governmental entities, particularly the surrounding townships and municipalities and the University of Michigan, in support of transportation initiatives in a manner consistent with the other goals	<ul style="list-style-type: none"> • Support the expansion of Commuter Express Bus Program to/from western Wayne County, northern Washtenaw/Livingston County, and to/from Saline to Ann Arbor • Implement regional service from Park & Ride lots to downtown • Coordinate land use planning with adjoining jurisdictions and County agencies to extend opportunities for transit-oriented development on key transit corridors outside of the city
Ensure that meaningful public involvement will be part of any transportation project in the City of Ann Arbor	
Promote a transportation system supportive of and integrated with land use decisions	<ul style="list-style-type: none"> • Conduct Road Diet feasibility studies and implement recommendations • Study and implement improved service opportunities for high-quality transit on signature transit corridors • Create transit-oriented development overlay districts for signature corridors
Promote green transportation improvements to reduce vehicle emissions	<ul style="list-style-type: none"> • Support the expansion of commuter rail service • Study management and enforcement of commercial vehicles in downtown • Support technology upgrades that enable citizens to receive early information on road congestion, delays, parking options

Master Plan – Non-Motorized Transportation Plan 2007

Vision Statement:

The purpose of the plan is to identify the means to establish a physical and cultural environment that supports and encourages safe, comfortable and convenient ways for pedestrians and bicyclists to travel throughout the City and into the surrounding communities. It is further envisioned that this environment will result in a greater number of individuals freely choosing alternative transportation modes (walking, bicycling, mass transit, etc.), which will lead to healthier lifestyles, improved air and water quality, and a safer, more sustainable transportation system.

This plan provides a general background on the issues of non-motorized transportation as well as to present a proposal on how to address the issues through policies, programs, and design guidelines for facility improvements. It is intended as a synthesis of key aspects of those documents to provide an interpretation on how they may be applied in typical situations in the City of Ann Arbor. Given the evolving nature of non-motorized transportation planning, these guidelines should be periodically reevaluated to determine their appropriateness.

Eli Cooper, Transportation Planner
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 1/8/2007 <i>Resolution No. 8-1-07</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

3 goals, 14 objectives

Environmental Goals:

Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

City Project Incorporating Non-Motorized Transportation;
Number of Pedestrians and Cyclists on Specific Pathways; Miles of
Bike Lanes; Bicycling Commutes; Walking Commutes

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Incorporate non-motorized best practices into all relevant policies, and all aspects and stages of planning available to the City and its partner organizations	<ul style="list-style-type: none"> • Develop best practices guidelines that define a true multi-modal perspective for transportation planning • Define a sustainable financing mechanism for non-motorized transportation policy development, policy implementation, construction and maintenance of facilities, education, and other needs that may arise to implement the City’s non-motorized transportation plan • Encourage and provide a framework for coordination between the City of Ann Arbor, the public school system, the University of Michigan, surrounding communities and regional agencies to facilitate connecting the non-motorized network to the region
Provide a comprehensive, easy to implement non-motorized network as an integral component of the City's transportation system	<ul style="list-style-type: none"> • Provide convenient and safe non-motorized connections between destinations in every part the community, such as residential, commercial, school, recreational, and other areas • Integrate non-motorized transportation into existing transportation infrastructure and connect transportation systems • Minimize conflict between modes of travel while still accommodating all modes
Increase awareness of the opportunities for, and benefits of, non-motorized transportation, as well as provide information to all users on safe ways to integrate motorized and non-motorized modes of transportation	<ul style="list-style-type: none"> • Develop strategies to educate the general public, the school system, and the U of M on the available non-motorized transportation network and encourage its use, including promotion of Safe Routes to School • Develop strategies to educate the general public, the school system, and the U of M community on the personal and community wide benefits of non-motorized transportation modes of travel • Develop strategies to educate all transportation system users (motorists, cyclists, pedestrians, etc.) on key safety issues related to integrating walking, bicycling and motorized travel to create an atmosphere of respect among all travelers
Generate planning and design guidelines that will direct planning new facilities or modifying existing facilities	<ul style="list-style-type: none"> • Institute a consistent travel corridor approach so that motorists and bicycles have clear and consistent expectations of each other • Establish and follow a road classification system based on number of motorized traffic lanes to guide pedestrian and cycling design • Provide bikeway continuity along high speed or heavily traveled roadways
Use existing policies and programs that provide the institutional support for the non-motorized transportation system	<ul style="list-style-type: none"> • Establish bicycle and pedestrian ways in new construction and reconstruction projects on both sides of a street in urbanized areas • Include paved shoulders in all new construction and reconstruction projects on roadways used by more than 1,000 vehicles per day • Design, construct, operate and maintain all connecting pathways with a focus on safety and usability by all pedestrians
Improve opportunities for public involvement and education	<ul style="list-style-type: none"> • Promote special events such as Ride-to-Work Day & GetDowntown • Improve awards programs that recognize communities efforts in the realm of non-motorized transportation • Partner with the University of Michigan in implementing nonmotorized transportation education programs

**Master Plan – Parks and Recreation Open Space Plan
(PROS Plan)
2011-2015**

Amy Kuras, Parks Planner
Community Services, Parks and Recreation

Vision Statement:

The Parks and Recreation Open Space Plan is the City's vision for parks and recreation in Ann Arbor. The PROS Plan provides an inventory of existing parks and facilities, describes the relationship between the park and recreation system and surrounding municipalities and recreation providers, identifies park and recreation needs and deficiencies, and proposes major capital park projects for existing and new parks.

The 2011-2015 PROS Plan is intended to facilitate discussion and evaluation of major issues, problems and potentials, the setting of priorities for the next five years, and the identification of goals and objectives that reach further into the future. The scope of the plan is to reflect tradition; to provide balance of parks, facilities, and programs; to respond to the needs of today; and to set a direction for the future. It also establishes background information while delineating system needs that may qualify for state and federal grant funding. The Michigan Department of Natural Resources (MDNR) requires all municipalities applying for recreation grants to have a current plan on file with the MDNR and to update that plan every five years. This planning effort is directed towards the formal adoption of an updated PROS Plan by the Park Advisory Commission, the City Planning Commission, and the Ann Arbor City Council.

Review and Approvals:

City Council	Approved 3/7/2011 <i>Resolution No. 11-0182</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	Approved 2/15/2011
Planning Commission	Approved 2/15/2011
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

8 goals, 71 objectives

Environmental Goals:

Health-Promoting Urban Environment; Viable Ecosystems

Geographic Location:

City of Ann Arbor Parks System

Data and Indicators:

Parkland Acreage

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Provide an efficient recreation and open space system, where all the components will complement each other in providing a broad spectrum of services while minimizing duplication	<ul style="list-style-type: none"> • Maximize the use of existing resources and optimize utilization of all public land within the community • Plan, design, and build parks and facilities to support multiple functions • Coordinate dissemination of information concerning both public and private recreation programs
Achieve and maintain a balanced park, recreation, and open space system, accessible to all of the community	<ul style="list-style-type: none"> • Develop strategies to identify and accommodate groups which are not currently receiving or participating in recreation services • Continue to design new facilities with barrier free and accommodations made for people with disabilities • Address the recreation and service needs and interests of disadvantaged persons and residents of public housing sites and cooperatives
Assure a firm financial basis for the park, recreation, and open space system	<ul style="list-style-type: none"> • Encourage that new residential development within the City contribute equitably to the resulting increased demand for parks, recreation, and open space • Develop strategies by which volunteers, community businesses, educational institutions, and service groups might be more directly involved in developing, sponsoring, and assisting with recreation programs, or ecological restoration of natural areas • Increase public support through citizen knowledge of and identification with park spaces
Assure adequate and suitable provisions of land and facilities to meet present and future park, recreation, and open space needs in terms of maintenance and development	<ul style="list-style-type: none"> • Maintain, rehabilitate, and restore existing facilities and natural areas • Develop efficient maintenance procedures that decrease staff hours, equipment, and use of chemicals, and utilize natural processes • Provide physical connections between City parks and adjacent neighborhoods
Foster the quality of life in Ann Arbor by paying particular attention to the park, recreation, and open space system as a visual and functional resource	<ul style="list-style-type: none"> • Emphasize the importance of views along streets, parkways, buffer areas, and greenways as integral components of visual resource planning • Continue a vigorous tree and landscape care improvement program • Provide unstructured open space within the parks system and within individual parks
Develop recreation programs, services, and facilities after assessing changing trends and community needs	<ul style="list-style-type: none"> • Explore and develop options for expanded opportunities for senior adult activities • Strive to identify leisure time needs of adolescents to develop appropriate activities • Expand programs and activities for pre-school children and expand environmental interpretive programs and activities
Maintain a healthy Huron River ecosystem that provides a diverse set of ecosystem services	<ul style="list-style-type: none"> • Continue efforts to clean up the Huron River and its tributaries and to address the non-point source pollution issues • Enforce buffer zones of no mowing adjacent to streams and the river and work to restore eroded stream banks • Develop greenways along the tributaries of the Huron River to improve water quality and reduce flooding

Master Plan – Natural Features Master Plan 2004

Vision Statement:

The City of Ann Arbor is committed to securing a high quality of life for its current and future residents. It is City policy to promote sound stewardship of the City's natural features. A healthy natural environment is necessary to sustain a high quality of life. This master plan describes our natural features, both publicly and privately owned, and sets forth policies to protect, restore and sustain them.

The primary goal of this Master Plan is to protect, restore, and maintain the City's important natural features: the Huron River and its Tributaries; Wetlands, Ponds and Lakes; Floodways and Floodplains; Ground Water and Groundwater Recharge Areas; Land Forms and Slopes; Woodlands, Savannas and Prairies; Landmark Trees; Native Plant and Animal Ecosystems; and Greenways.

Jerry Hancock, Stormwater and Floodplain Program Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 6/21/2004 <i>Resolution No.269-6-04</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved 6/1/2004
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

26 goals, 81 objectives

Environmental Goals:

Viable Ecosystems; Clean Water; Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Creekshed Health; Ecological Diversity; Conservation of Rare Species; Natural Area Acreage

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Update watershed plans; ensure that the City's Capital Improvements Plan is consistent with Natural Features Master Plan; add greenways along the Huron River; add flood storage capacity and reduce adverse impacts of heavy rain events, including flooding	<ul style="list-style-type: none"> • Implement watershed plans, the City Master Plan and the Capital Improvements Plan • Work with various partners to implements watershed planning • Improve education outreach techniques, city services, and GIS capabilities relating to data management
Identify, assess, protect and sustain wetlands	<ul style="list-style-type: none"> • Review and modify City codes relating to inspections, mitigation and other standards for wetlands • Encourage stewardship and management techniques to reduce impacts to wetlands resulting from storm water run-off
Identify, restore and sustain floodplains, especially those of highest-concern; reduce storm water volume and flood occurrences; support watershed groups and implement watershed plans	<ul style="list-style-type: none"> • Review and modify City codes and policies to ensure that best management practices are implemented • Restore city-owned wetlands • Promote stewardship by educating the public on the identification and value of native plants and activities that can benefit floodplains
Protect drinking water and identify suitable groundwater recharge areas throughout the City	<ul style="list-style-type: none"> • Implement policy changes that help to minimize adverse impacts to groundwater and groundwater recharge areas,
Protect steep slopes; identify and protect scenic vistas and sustain the natural features that comprise them	<ul style="list-style-type: none"> • Maintain geographic information database for steep slopes • Review standards, codes and policies for possible modifications that would help identify and protect natural land contours and scenic vistas
Identify, steward, and conserve woodlands, savannas and prairies to protect water, air, and soil quality, to buffer air and noise pollution, to moderate local climate and storm hazards, to preserve wildlife habitats and natural corridors, and to maintain important elements of the natural beauty of the City	<ul style="list-style-type: none"> • Amend code to include definitions for savannas and prairies • Revise PROS Plan to include savannas and prairies in criteria for acquisition • Develop native planting policy for city-owned property
Protect and preserve landmark trees that are in good or excellent condition, particularly trees that are rare, unusual, old or historically significant (over 100 years old), provide a diversity of species or contribute to a native forest fragment	<ul style="list-style-type: none"> • Establish a program that identifies and rewards landowners for stewardship of landmark trees • Develop tools and resources to educate the public on possible impacts to and recommended care for landmark trees • Develop a process to determine long-term impacts of protection measures
Identify, steward and protect habitats that are rich in native flora or fauna and that are threatened, endangered or contain special concern species	<ul style="list-style-type: none"> • Inventory and rate plant species and consider acquiring those with high ratings • Develop an assessment system for wildlife • Develop a stewardship program for endangered species habitats
Establish a network of greenways throughout the City that provides non-motorized connections between various land uses and helps to retain the shape and continuity of natural features, especially along stream corridors, between parks and through new neighborhoods	<ul style="list-style-type: none"> • Implement greenway programs and initiatives and coordinate such activities with other organizations and governmental entities • Identify new links and identify improvements to existing links • Incorporate greenway systems and design principles into master plans and zoning

Council-Approved Plans

Plans designated as “council-approved” refer to plans other than master plan elements that have formal approval by Ann Arbor City Council. These plans may also have approvals from other City of Ann Arbor commissions. These plans are often resource documents that supplement the City Master Plan by providing additional detail for interpretation and implementation of the recommendations. Council-approved plans are typically created through an existing commission or special committee that develops the plan and recommends it to City Council for their approval adoption.

Energy Plan 1981 (update 1994)

Vision Statement:

This plan established goals and programs to reduce energy use and costs in Ann Arbor while moving the City towards more sustainable energy use.

With a goal of moving the City towards more efficient and sustainable energy use, the Energy Office operates in three major areas:

- Managing projects, programs and grants: project management for energy purchases, energy efficiency improvements and renewable energy use at City-owned facilities and for City-owned vehicles
- Developing information resources: maintain an energy database for all city operations to provide baselines for energy use and savings analysis. Produce and distribute educational materials about energy use, policies and programs.
- Advising City managers, elected officials and the general public: provide expert advice on programs, policies and ordinances for intelligent purchase and use of energy both by City facilities and City transportation.

Energy Office
Public Services, Systems Planning

Review and Approvals:

City Council	06/1981
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

7 goals, 41 objectives

Environmental Goals:

Sustainable Energy; Stable Climate; Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Greenhouse Gas Emissions; Electricity Use; Natural Gas Use; Alternative Fuel Use; Renewable Electricity Generation; Vehicle Miles Traveled

Key Plan Goals	Plan Objectives
Define the role of government in promoting and facilitating energy conservation among its citizenry.	<ul style="list-style-type: none"> • Form an Energy Advisory Board to consider issues and tasks • Develop a Community Energy Emergency Contingency Plan to identify potential areas of vulnerability • Continue to collect and analyze energy data
Assess the coordination of land use and transportation components of the City to promote energy efficiency.	<ul style="list-style-type: none"> • Develop a transit systems improvement program • Promote energy conserving programs and environmentally friendly alternatives to automobiles • Generate solutions/strategies for reducing energy consumption for transportation
Evaluate retrofitting Ann Arbor’s existing residential and nonresidential buildings with energy conservation measures	<ul style="list-style-type: none"> • Develop a low-interest revolving loan/grant fund to assist in financing energy conservation improvements to the housing stock • Provide low-interest loans, grant assistance, and financial incentives to residents for energy retrofit of the housing stock • Produce a method for evaluating the solar and conservation potential of the homes of low and moderate income residents
Explore ways to increase local use of solar, wind, and hydroelectric energy technologies and recycling opportunities	<ul style="list-style-type: none"> • Install an active solar array at Fuller Park to heat the pool • Hydroelectricity reactivation at four of the city’s dam sites • Encourage expansion of current recycling efforts
Address issues of improved efficiency in buildings, protection of solar access, energy-conscious landscaping, and innovative building design	<ul style="list-style-type: none"> • Strengthen energy conservation standards in building codes • Train staff involved with building code enforcement to understand the Michigan Energy Code • Create guidelines for city planting and landscaping to improve energy efficiency
Promote improvement in the quality and availability of energy information, facilitating public input to the Energy Plan, and promotion of energy awareness generally	<ul style="list-style-type: none"> • Promote energy conservation through media articles, programs, workshops, and information sessions • Redesign energy bills to show decrease/increase in energy usage compared to previous year • Coordinate with local Universities/schools to provide energy education programs
Consider energy conservation possibilities in City operations ranging from street lighting and transportation to public building retrofit	<ul style="list-style-type: none"> • Create a procurement policy that incorporates the life cycle costs of purchases • Continue retrofit efforts to improve the energy efficiency of City owned facilities and continue to build upon the public housing retrofit/rehab program • Set up a computer program to monitor energy consumption in City-owned facilities from utility bill data and provide reports to facilities

Malletts Creek Restoration Plan 2000

Vision Statement:

The Malletts Creek Restoration Plan is a comprehensive effort to identify and quantify impairments in Malletts Creek, determine sources of those impairments, test a range of management alternatives to address those impairments, and to recommend a plan that best balances costs and performance of each management alternative.

Malletts Creek is one of the most impervious watersheds in the Huron River system. Much of the land is covered by streets, parking lots, businesses, and homes, making over 34% of the land surface impervious, or not able to absorb water. Malletts Creek's primary impairments include flooding (stream flow) and excessive phosphorus loading

Jerry Hancock, Stormwater/Floodplain Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 3/6/2000 <i>Resolution No:105-3-00</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved 10/3/2000
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

9 goals, 30 objectives

Environmental Goals:

Viable Ecosystems; Health-Promoting Urban Environment; Clean Water; Safe Community

Geographic Location:

Huron River System – Malletts Creek

Data and Indicators:

Malletts Creek Health

Key Plan Goals	Plan Objectives
Reduce stream flows and velocities	<ul style="list-style-type: none"> • Retrofit the existing 100-year detention ponds to be extended • Reduce peak velocities by increasing upstream detention and/or channel modification • Widen the stream channel in specific areas to increase capacity
Reduce the phosphorus load from Malletts Creek to the Middle Huron River and improve water quality in the creek to an acceptable level	<ul style="list-style-type: none"> • Reduce total phosphorus load from Malletts Creek by 50% • Revise local government ordinances to reduce runoff and improve storm water management systems • Provide extra resources to strengthen soil erosion and sedimentation control enforcement
Improve habitat for fish and wildlife	<ul style="list-style-type: none"> • Restore streambank corridor and stabilize erosion • Make in-stream improvements, the addition of low flow channels, ponds and riffle pools • Reduce lawn fertilizer use and increase native landscaping
Control flooding for the ten-year storm along the main channel	<ul style="list-style-type: none"> • Retrofit detention basins/ponds • Add in-system storage structures on large storm drains • Create new wetland ponds, floodwalls/berms, and extended detention basins
Identify and address all necessary structural and engineering improvements	<ul style="list-style-type: none"> • Repair failed endwalls, outlet structures, repair broken culverts, and repair cracked headwalls • Remove large sediment islands • Stabilize sections of the streambank
Establish an educated and involved public	<ul style="list-style-type: none"> • Create mechanisms to reach and involve stakeholders (web page, community-wide meetings, focus groups, telephone surveys), and implement public education and technical assistance program • Modify residents yard waste and leaf handling practices • Promote landowner participation in creek-safe lawn maintenance
Ensure the sustainability of the restoration effort by making any long-term commitments (e.g., maintenance) reasonable and workable	
Ensure that the restoration project is affordable to all communities	
Increase aesthetic enjoyment of the Creek	<ul style="list-style-type: none"> • Increase the frequency of street and parking lots sweeping • Conduct illicit discharge elimination program • Encourage use of grass swales or filter strips to separate parking

**Solid Waste Plan
2002-2007**

Vision Statement:

Achieving the goals from the Solid Waste Plan during the next five-years will position the City for cost effective, high quality waste management services for the next ten years and prepare the City to further reduce these costs and the environmental impact of our City’s waste stream for decades to come.

Tom McMurtrie, Solid Waste & Recycling Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 3/4/2002 <i>Resolution No. 113-3-02</i>
Energy Commission	
Environmental Commission	Approved
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	
Other	

Total Plan Goals and Objectives:

11 goals, 39 objectives

Environmental Goals:

Responsible Resource Use

Geographic Location:

City of Ann Arbor

Data and Indicators:

Materials Recovery Facility (MRF) scalehouse data; Total Tons Composted; Percent Waste Diverted; Total Tons Recycled; Total Waste Per Capita; Total Tons Landfilled

Key Plan Goals	Plan Objectives
Set a five-year residential waste diversion goal of 60% and an overall diversion goal of 60% for both City serviced and non-City serviced commercial	<ul style="list-style-type: none"> • Strengthen the incentive structure for households and businesses to reduce, reuse and recycle valuable material • Provide a consistent set of recycling opportunities for operators and users at local parks and recreational facilities
Enhance solid waste ordinance language and enforcement relating to separation requirements for both the residential and commercial sectors	
Develop partnership opportunities with area communities and agencies to improve services, reduce costs and achieve greater waste recovery	<ul style="list-style-type: none"> • Continue use of competitive bidding under long-term contracts as the guiding management strategy for the balance of solid waste management system operations • Develop informal and formal partnership alliances with area municipalities and agencies to achieve higher performance levels and lower costs in all service areas
Expand the department's fee-for-service programs in order to more effectively serve the needs of the community and diversify the department's revenue sources	<ul style="list-style-type: none"> • Provide, through a service partnership with Recycle Ann Arbor, and in collaboration with surrounding communities and the County, a cost effective and efficient dropoff refuse collection service to all sectors of the City that expect to generate unusually large quantities of non-recyclable or non-compostable refuse • Provide in collaboration with the Parks Department, refuse collection services for operators, users and attendees at local sports, recreation and cultural events
Conduct a productivity analysis of the City's refuse, recycling and yard waste collection programs in order to consolidate routing/collections	
Continue to develop opportunities for the expanded collection and processing of pre-consumer vegetative waste in both the commercial and residential sectors	<ul style="list-style-type: none"> • Build on the pilot of food waste composting underway with the University of Michigan by developing a demonstration pilot and, if successful, ongoing service for collecting and composting vegetative waste from commercial and institutional sources within the City • Provide a cost effective and efficient compost processing system for all yard and vegetative waste targeted with the compost collection programs planned for the City
Develop a performance-based partnership approach with the City's municipal collection crews and Recycle Ann Arbor	<ul style="list-style-type: none"> • Use performance based partnership contracting with benchmarking and cost plus budgeting as the guiding management strategy for most services • Provide for cost effective and efficient transportation of compacted refuse tipped at the transfer station and disposal of that refuse in a sanitary landfill operated
Increase City's "clean community" efforts to enhance the community's pride and sense of responsibility in protecting and enhancing our public and private outdoor areas	<ul style="list-style-type: none"> • Provide, through a service partnership with the Department's collection crews, and in conjunction with a area volunteer-based service organizations, for litter disposal opportunities in general public rights-of-way and for litter cleanup
Evaluate the potential costs and benefits to the City of restoring the solid waste millage as a separate non-general fund account	<ul style="list-style-type: none"> • Continue to fund a base level of solid waste and recycling services through the City's property tax millage while increasing the use of non-tax based funding mechanisms to provide enhanced services • Investigate and consider structuring the City's solid waste and recycling system as a public sector "enterprise fund"
Develop capital financing to address capital replacement and expansion needs at the City's MRF/Transfer facility, building capacity to handle greater quantities of commercial recyclables	<ul style="list-style-type: none"> • Improve the capacity to capitalize equipment and facility improvements on a timely basis as needed to accomplish program objectives • Continue the site development process for relocating the Department's maintenance and vehicle storage facility

**Renewal of the Ann Arbor Michigan Downtown
Development Authority Development Plan and Tax
Increment Financing Plan
2003-2033**

Vision Statement:

The DDA’s sole purpose is to be a catalyst for maintaining and improving economic health and quality of life in the downtown area. It is responsible for monitoring national downtown trends in order to anticipate changes in transportation, housing, service, and infrastructure needs.

The revised DDA Plan focuses on the following objective areas: identity, infrastructure, transportation, business encouragement, housing, development partnerships, community services, and sustainability. Working towards these objectives will facilitate the overall viability of the downtown area. It will enhance its attractiveness as a regional marketplace for goods and services, an employment center, a community-gathering place, a place to live, and the cultural and historical core of the community.

Susan Pollay, Executive Director
Ann Arbor Downtown Development Authority

Review and Approvals:

City Council	Approved 9/15/2003 <i>Ordinance No. 26-03</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

15 goals, 52 objectives

Environmental Goals:

Viable Ecosystems; Health-Promoting Urban Environment; Efficient Mobility

Geographic Location:

Downtown Ann Arbor

Data and Indicators:

Procurement of long-term debt financing, significant financial investment, vibrant mixed-use downtown

Key Plan Goals	Plan Objectives
Celebrate downtown Ann Arbor’s unique history and character	<ul style="list-style-type: none"> • Encourage downtown developments that complement the existing character of their neighborhoods • Encourage historic property owners to improve and restore the appearance of their building • Encourage public and private efforts to keep Ann Arbor an “arts friendly” community
Support public open space and sidewalk/streetscape improvement	<ul style="list-style-type: none"> • Encourage the City and the private sector to develop new, attractive open spaces • Encourage pedestrian and non-motorized vehicular links from downtown to nearby residential areas • Promote a philosophy of sustainability in all infrastructure improvements
Develop a comprehensive parking and transportation program	<ul style="list-style-type: none"> • Regularly assess downtown conditions and consider policy changes when necessary • Ensure parking facilities are properly maintained and that programs are available to meet the needs of downtown patrons • Coordinate use and promotion of public parking after hours for special events and private sector needs
Maximize downtown accessibility with a coordinated bus system and downtown transit center	<ul style="list-style-type: none"> • Encourage the integration of UM and AATA bus systems and services • Explore the development of new transit centers or an expanded transit center downtown • Target and support downtown-friendly enhancements of the AATA bus system
Encourage pedestrian and non-motorized transportation	<ul style="list-style-type: none"> • Support commuter and recreational bike ridership to and through downtown • Promote pedestrian and bicycle safety measures • Encourage development projects that preserve the downtown’s sense of pedestrian scale
Promote downtown as the center of commerce in our community and provide support to businesses	<ul style="list-style-type: none"> • Undertake capital improvements that are geared towards increasing the commercial viability of downtown • Encourage appropriate public and private infill projects to increase commercial activity • Support strategies to retain and strengthen local retail businesses in the downtown area
Encourage vital connections between retail and downtown residential development	<ul style="list-style-type: none"> • Encourage mixed-use projects that feature retail businesses on lower floors and residential housing on upper floors • Attract new retail and service businesses to downtown that support residential needs • Encourage a diverse downtown population and a wide variety of housing
Encourage interaction between the DDA district and near-downtown neighborhoods	<ul style="list-style-type: none"> • Consider the impacts of downtown development projects and improvements on near-downtown neighborhoods • Continually monitor parking demand in near downtown neighborhoods by employees, residents, and visitors
Encourage and facilitate residential development	<ul style="list-style-type: none"> • Work with developers to encourage a residential component to developments wherever feasible • Participate in projects that increase the supply of housing • Provide affordable housing grants for downtown and near downtown residential development and redevelopment projects
Ensure downtown’s survival as a vital and viable economic, residential and environmental eco-system throughout the 21st century	<ul style="list-style-type: none"> • Coordinate DDA activities with other sustainable planning efforts • Encourage mixed land uses that will promote a varied population • Encourage citizen and stakeholder participation in development decisions

Millers Creek Watershed Improvement Plan 2004

Jerry Hancock, Stormwater and Floodplain Programs Coordinator
Public Services, Systems Planning

Vision Statement:

The mission of MCAT is to establish and implement socially, environmentally, and economically sustainable watershed management standards and practices that will improve the quality of the Millers Creek watershed.

The goals of this plan are to develop a set of recommendations that will improve stream habitat and watershed hydrology, improve recreational opportunities in and around the creek and help local stakeholders achieve the objectives of the Ford and Belleville Lakes total phosphorus TMDL and the Gallup (Geddes) Pond *E. coli* TMDL. Implementation of these recommendations will also help foster activities that perpetuate urban watershed and stream stewardship, and create a healthier balance between the local community and its ecosystems.

Review and Approvals:

City Council	Approved 3/21/2011 <i>Resolution No: 11-0369</i>
Energy Commission	
Environmental Commission	Approved 1/26/2006
Park Advisory Commission	
Planning Commission	Approved 6/6/2006
Master Plan Element	
County Board	
Other	MEDQ 2005

* Approved Michigan Department of Environment Quality 2005

Total Plan Goals and Objectives:

7 goals, 25 objectives

Environmental Goals:

Viable Ecosystems; Clean Water; Health-Promoting Urban Environment

Geographic Location:

Huron River System – Millers Creek

Data and Indicators:

Millers Creek Health

Key Plan Goals	Plan Objectives
Maximize land preservation and minimize directly connected impervious area while directing unavoidable development in ways that protect important watershed processes and water resource functional values	<ul style="list-style-type: none"> • Conserve open space and preserve natural habitats along Millers Creek • Protect natural areas by expanding park space • Acquire undevelopable land in the 100-yr floodplain and expand parks
Improve land cover where possible by reducing impervious surfaces, establishing forests and prairies, reducing turf grass, and planting trees	<ul style="list-style-type: none"> • Incorporate bio-swales to reduce surface flow velocities and remove pollutants from storm water through settling, adsorption, biological uptake, and infiltration en route to receiving water • Control invasive plant species and encourage propagation of native species to improve the value of the natural features in the watershed • Increase the density of trees in managed landscapes where trees already exist or establish trees where they do not exist to increase rainwater interception and lower peak flows in the Creek
Maximize the amount of storm water captured, detained, and treated	<ul style="list-style-type: none"> • Prevent most of the watershed pollutants from reaching the receiving water by constructing and retrofitting retention basins • Use below-ground storm water best management practices to treat storm water in areas in the watershed with space constraints, such as commercial development areas
Reduce bankfull peak flows, the channel forming flows, by at least 50%	<ul style="list-style-type: none"> • Retrofit existing detention basins by altering the outlet structure, planting vegetation, removing sediment, and altering flow-through patterns • Redirect down spouts onto pervious surfaces or storing rainwater in rain vessels (e.g., rain barrels, rain cisterns) to reduce storm water runoff volume • Encourage Huron River Watershed Council (HRWC) to maintain two transducers to collect continuous flow data throughout the ten-year implementation schedule
Decrease overall pollutant loading to Millers Creek as much as possible	<ul style="list-style-type: none"> • Continue to implement regulatory and administrative practices such as storm water and fertilizer ordinances • Decrease total phosphorous loading by 50% from existing conditions (per Ford and Belleville Lakes TMDL) • Petition the Drain Commissioner to designate Millers Creek as a County Drain to provide permanent administrative and maintenance attention to the creek
Increase biological diversity of terrestrial and aquatic wildlife by improving habitat, reducing or eliminating habitat impacts, and conserving critical habitats	<ul style="list-style-type: none"> • Continue to monitor three sites annually during the 10-year period and assess in-stream habitat
Develop and maintain project support by promoting public awareness, understanding, and stewardship	<ul style="list-style-type: none"> • Offer effective opportunities for public education, training, input, and participation • Provide readily available technical and information-based resources • Implement a stewardship program that includes public education, public participation, and environmentally friendly property management

Flood Mitigation Plan 2007

Vision Statement:

Flood mitigation is an important activity for the City and its residents to pursue because for the most part the potential for damage associated with flooding in flood prone areas is preventable. The science associated with determining floodplains delivers a more exact risk area than that associated with other natural disasters like earthquakes or severe weather. Areas that have been determined through FEMA approved methodologies and designated, as a 100-year floodplain will eventually experience a large-scale flood event. During the course of a 30-year mortgage a house in a 100-year floodplain has a 26% chance of being flooded. Compare that to a 9% chance of fire. For this reason dollars invested in flood mitigation pay off greater than dollars invested in other types of mitigation activities. By investing in time and resources into flood mitigation the City will ensure the safety of its residents and prevent the damage and loss of property.

This plan contains a comprehensive examination of floodplain best management practices, a meaningful public engagement process, damage loss estimates, information on historical flooding, a floodplain development patterns narrative, and extensive GIS analysis - including a detailed land use analysis, and a flood depth analysis. It also provides guidance for plan implementation and the development of a Floodplain Ordinance. The core of the plan is a Flood Mitigation Strategy “toolbox” that includes mitigation strategies and varied vulnerability estimates by parcel and structure; a categorical risk approach yields a vulnerability index to rank order mitigation priority by parcel. A practical implementation process is outlined that sets a clear action agenda to be guided by an annual advisory meeting that will include residents, stakeholders, decision makers and staff.

Jerry Hancock, Stormwater and Floodplain Program Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 3/19/2007 <i>Resolution No.103-3-07</i>
Energy Commission	
Environmental Commission	Approved 1/25/2007
Park Advisory Commission	
Planning Commission	Approved 2/6/2007
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

7 goals, 56 objectives

Environmental Goals:

Safe Community; Health-Promoting Urban Environment

Geographic Location:

City of Ann Arbor – Huron River System and Watersheds

Data and Indicators:

Creekshed Health; Structures in the Floodplain

Key Plan Goals	Plan Objectives
Maintain and utilize up-to-date floodplain mapping techniques to assist in the identification and mitigation of flood related hazards	<ul style="list-style-type: none"> • Detailed hydrologic data • Map additional flood related hazards • Use future conditions hydrology for flood mapping and for city plans and regulations
Employ education and outreach as a means to reduce potential flood hazards and increase community knowledge about the floodplain	<ul style="list-style-type: none"> • Improve flood maps and flood information links on City website • Provide flood protection advice and flood hazard training and education • Establish certified floodplain manager and environmental and safety education program
Integrate floodplain management into master plan revisions new planning projects to prevent possible hazards associated with previously planned uses that are not supported by current floodplain management standards	<ul style="list-style-type: none"> • Pursue floodplain overlay zoning district • Prepare detailed flood loss model • Use multi-objective management planning
Implement regulatory measures and development standards to limit flood impacts caused by the built environment	<ul style="list-style-type: none"> • Research and draft additional freeboard ordinance • Draft an Addition Improvement Standard and Lower Threshold Improvement Standard, Draft Stream Buffer Zone Ordinance, and, Draft Equivalent Compensation Ordinance • Prohibit floodway development
Identify opportunities where corrective actions can be used to mitigate the flood risk for properties in the floodplain	<ul style="list-style-type: none"> • Increase code enforcement • Relocate development in floodplain • Acquire properties for structure removal
Evaluate the City's infrastructure within the floodplain and protect it from flood related hazards	<ul style="list-style-type: none"> • Conduct flood audits and flood insurance on public buildings • Conduct flood audits and create emergency action plans for critical facilities
Develop and/or refine a flood response/preparedness method for servicing the community before and after flood related disasters	<ul style="list-style-type: none"> • Develop flood preparedness plan

Capital Improvements Plan (CIP) 2012-2017

Vision Statement:

The CIP is the planning document that serves to consolidate the needs associated with the City's various infrastructure asset areas. These needs are gathered from findings of other City master planning efforts, staff identification through the operations and maintenance of the City's facilities and systems and citizen service requests. The CIP provides a methodology for addressing these needs by outlining the anticipated funding sources and schedules for the projects necessary to achieve this, based on the priority of the need, and the availability of the financial and staffing resources to perform these projects.

Cresson Slotten, Unit Manager
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 2/7/2011 <i>R-11-037</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

6 goals

Geographic Location:

Citywide and surrounding townships where city assets are located

Data and Indicators:

Prioritization scores; asset condition data

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Outline a schedule for public service expenditures over the ensuing six-year period	<ul style="list-style-type: none"> • Select projects that optimize use of the taxpayer’s dollar • Enhance opportunities for participation in federal or state grant programs
Prioritize public service expenditures based on specific criteria	<ul style="list-style-type: none"> • Evaluate and prioritize projects that have an established, secure source of funding • Utilize a prioritization tool to provide a more robust, objective selection process based on specific criteria • Determine the decision criteria to be used in the prioritization process and assign relative weights and performance measures
Provide for large, physical improvements that are permanent in nature, including the basic facilities, services, and installations needed for the functioning of the community	<ul style="list-style-type: none"> • Fund permanent, physical or system improvements in excess of \$100,000 • Fund significant equipment purchases in excess of \$100,000 with a useful life of at least ten years • Fund studies of at least \$100,000 that will lead to CIPs
Add value or capacity to the infrastructure of the City	<ul style="list-style-type: none"> • Guide future growth and development
Ensure capital improvement projects are used as a tool to implement the City Master Plan and assist in City’s financial planning	<ul style="list-style-type: none"> • Focus attention on community goals, needs, and capabilities when selecting projects to pursue
Encourage efficient government	<ul style="list-style-type: none"> • Improve the basis for intergovernmental and regional cooperation • Maintain a sound and stable financial program

Commission- Approved Plans

Plans categorized as “commission-approved” do not have formal approval from Ann Arbor City Council, but do have approval from one or more of Ann Arbor’s city commissions. Commission-approved plans are typically created through an existing commission or special committee that develops the plan but the plan is either 1) not brought to City Council for further approvals or 2) has been brought to City Council but has not been adopted.

**Greenbelt District Strategic Plan
2009**

Ginny Trocchio, Open Space and Parkland Preservation Manager
Community Services

Vision Statement:

In May 2004, the Ann Arbor City Council adopted Chapter 42, “Open Space and Parkland Preservation,” of the Ann Arbor City code, providing a framework for the purchase of conservation easements and fee properties with the Greenbelt District.

In 2005, the Greenbelt Advisory Commission adopted a Strategic Plan to guide their land acquisition decision-making process. This 2009 update reaffirms the need to preserve large blocks of farmland in the Greenbelt District, to form partnerships through Preserve Washtenaw members and other funding sources, and to preserve land along the Huron River. This update also calls for the protection of farmland to help foster local food production within the area.

Review and Approvals:

City Council	Submitted as informational item
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	
Other	Greenbelt Advisory Commission 2006

Environmental Goals:

Local Food Sufficiency; Viable Ecosystems; Health-Promoting Urban Environment

Total Plan Goals and Objectives:

7 goals, 11 objectives

Geographic Location:

Ann Arbor Greenbelt District

Data and Indicators:

Preservation of prime farmland in blocks greater than 1000 acres;
Protection of Huron River properties

Key Plan Goals	Plan Objectives
Place major emphasis on purchase of development rights from farmers	<ul style="list-style-type: none"> • Focus on forming 1000-acre blocks (or larger) of protected farmland in five specific blocks in order to make agriculture viable for future producers • Build upon anchor sites to provide connectivity and build larger blocks of preserved farmland
Prioritize protection of farms that are producing foods for local markets	<ul style="list-style-type: none"> • Amend scoring criteria to provide points for local food production • Evaluate and approve a partnership with local food producers, as the opportunity arises
Protection of Huron River within the Greenbelt District	<ul style="list-style-type: none"> • Partner with other local agencies on properties along the Huron River or tributaries, as the opportunity arises
Preserve critical viewsheds within the Greenbelt District	<ul style="list-style-type: none"> • Award points to applications that provide scenic views, and visibility from major corridors frequently traveled by Ann Arbor residents
Form partnerships with local land preservation groups and strive to have a cumulative match of 20% funds from non Greenbelt sources of funding	<ul style="list-style-type: none"> • Actively participate in quarterly <i>Preserve Washtenaw</i> meetings to identify local partnership opportunities and implement objectives of the Greenbelt • Collaborate with Preserve Washtenaw to sign all properties where the landowners are willing to post the Preserve Washtenaw sign • Apply for State and Federal grant funds, as available.
Monitor each Greenbelt easement purchase yearly and conduct spot checks every three years on Farm and Ranch Program transferred easements for easement compliance	<ul style="list-style-type: none"> • Establish endowment funds for each purchase of development rights easement to cover the ongoing monitoring and management costs of parcels and to uphold the easement terms
Review the Strategic Plan on an annual basis and revise, as needed	

Huron River and Impoundment Management Plan 2009

Vision Statement:

Our vision for the future of the Huron River in Ann Arbor can be summarized as: A healthy Huron River ecosystem that provides a diverse set of ecosystem services. We envision a swimmable, fishable and boatable river, including both free-flowing and impounded segments, which is celebrated as Ann Arbor's most important natural feature and contributes to the vibrancy of life in the city. The river and its publicly-owned shoreline and riparian areas create a blue and green corridor across the city that contains restored natural areas and adequate, well-sited public trails and access. Ample drinking water, effective wastewater removal and a full range of high quality passive and active recreation and education opportunities are provided to the citizens of Ann Arbor. Ongoing public engagement in the river's management leads to greater stewardship and reduced conflict among users. Our approach to management creates a model that other communities upstream and downstream emulate.

Matthew Naud, Environmental Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	Approved 05/28/2009
Park Advisory Commission	Approved 05/19/2009
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

8 goals, 32 objectives

Environmental Goals:

Viable Ecosystems; Clean Water; Health-Promoting Urban Environment

Geographic Location:

Huron River System

Data and Indicators:

Allen Creek Health; Fleming Creek Health; Honey Creek Health; Mallets Creek Health; Millers Creek Health; Swift Run Creek Health; Traver Creek Health; Aggregated Creekshed Health

Key Plan Goals	Plan Objectives
Ensure a healthy and sustainable aquatic ecosystem, including the river and its floodplain and watershed	<ul style="list-style-type: none"> • Perform Ecological Assessment of Impoundments • Harvest and Compost Aquatic Vegetation • Evaluate use of biological controls and herbicides
Maintain an adequate drinking water supply	<ul style="list-style-type: none"> • Reduce the sources of non-point source pollution • Implement Drinking Water Source Water Protection Plan
Minimize stormwater runoff and maximize infiltration	<ul style="list-style-type: none"> • Reduce the sources of non-point source pollution in an effort to improve water quality in streams and impoundment
Management of the Shoreline and Riparian Corridor	<ul style="list-style-type: none"> • Manage stormwater at the source in an effort to reduce the quantity of stormwater entering the system • Identify areas where expansion of native riparian buffers is possible to further protect the river ecology and improve fish habitat.
Identify, protect and enhance natural features, including native forest fragments, scenic vistas, greenways and designated natural areas	<ul style="list-style-type: none"> • Work with local anglers to identify areas where additions of woody cover, boulders, and underwater debris improve fish habitat diversity • Maintain Argo Dam to Preserve Impoundment • Remove Argo Dam
Support and improve a broad range of recreational opportunities consistent with ecosystem health and the quality of the recreational experience	<ul style="list-style-type: none"> • Rebuild the Argo Millrace to Remove the Canoe Portage Maintain Canoe Liveries on Argo Pond • Develop new pedestrian crossing and trails near Argo Livery Develop formal policy on recreational user cost sharing for impoundments • Develop tailored boat launch upstream of Geddes Dam Expand Angling Access Times
Consider non-recreational uses (such as restaurants, cultural facilities and power generation) as long as they are supportive of other goals	<ul style="list-style-type: none"> • Evaluate Argo Facility Opportunities • Develop Barton Recreation Facility • Evaluate Gallup Facility Opportunities

Improve opportunities for public education and stewardship that build support for the plan

- Create Rivershed Stewardship Committee
- Explore opportunities to establish River Trails - historical, cultural or environmental education trails- with interpretive sign locations, brochures and educational programs.
- Identify opportunities to create new signage that directs river users to access points

Other Plans

These plans do not have approval from Ann Arbor's City Council or any city commissions. These plans include studies and reports conducted for the City, County plans that address the City, plans developed by community-led groups, and plans that councils or commissions may approve in the future.

**Stormwater Master Plan
1997**

Vision Statement:

The main purpose of this report is to identify potential improvements throughout the City's watersheds to assure that the present flooding conditions in the Allen Creek watershed do not similarly develop in other locations throughout the City.

This report summarizes the analyses of the eight watersheds and provides the following information:

1. Identifies the location and severity of flooding
2. Develops planning level improvements and costs for possible inclusion in the City's CIP
3. Presents other options to be considered to proactively address and limit/eliminate future flooding conditions
4. Identifies cost-effective and practical alternatives to be considered for system components and watershed-wide improvements where complying with present design standards are cost-prohibitive and impractical
5. Provides a starting point for the City to further enhance and develop specific ordinances to limit runoff, limit the development of land in the flood plain, and enhance water quality
6. Identifies enhancements and modifications to present design standards, regulations, and ordinances to provide a consistent, comprehensive, and complete basis for future analyses and development of improvements
7. Provides a basis for the City to continue to be proactive in its efforts to limit/eliminate future flooding

Jerry Hancock, Stormwater and Floodplain Programs Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	
Other	

Total Plan Goals and Objectives:

7 goals, 15 objectives

Environmental Goals:

Safe Community; Health Promoting Urban Environment

Geographic Location:

Allens Creek, Miller, Fleming, Honey, Huron, Mallets, Swift Run and Traver Creek Watersheds

Data and Indicators:

Flooding conditions in watersheds

Key Plan Goals	Plan Objectives
Enhance and develop more stringent flood plain restrictions and zoning regulations	<ul style="list-style-type: none"> • Provide a starting point for the City to further enhance and develop specific ordinances to limit runoff, limit the development of land in the flood plain, and enhance water quality
Identify alternative funding sources to supplement the City's stormwater funds	<ul style="list-style-type: none"> • Use funds to design and construct improvements in the watershed through coordinated system-wide projects • Identify cost-effective and practical alternatives to be considered for systems components and watershed-wide improvements where complying with present design standards are cost-prohibitive and impractical • Develop planning level improvements and costs for possible inclusion in the City's capital improvements program
Conduct detailed analyses of surrounding watersheds to identify existing improvement configurations	<ul style="list-style-type: none"> • Identify the most cost-effective solutions in design and construction • Provide a basis for the City to continue to be proactive in its efforts to limit/eliminate future flooding • Publicly promote the benefits of being proactive and developing a storm water plan that addresses future growth and development
Ensure flooding conditions in Allen Creek watershed to not develop in other locations throughout the City	<ul style="list-style-type: none"> • Limit the flood frequency and damages that presently occur in the Allen Creek watershed • Analyze the Allen Creek system and develop and implement improvements for a less severe storm events if funding is limited • Implement flood plain management techniques such as floodproofing and purchasing of flood-prone properties
Implement the Water Utilities Department maintenance program for all system components	<ul style="list-style-type: none"> • Schedule maintenance regularly to prevent flooding due to inoperable components
Identify enhancements and modifications to present design standards, regulations, and ordinances to provide a consistent, comprehensive, and complete basis for future analyses and development of improvements	<ul style="list-style-type: none"> • Upgrade the City's design standards to provide a technical basis for system analyses and design • Address open channel design; storm hyetograph; use of other design tools; more stringent flood plain regulations and improvement alternatives
Consider additional technical staff support to plan and develop the conveyance system and timing of improvements	<ul style="list-style-type: none"> • Add staff to support engineering and GIS needs • Add staff to develop the future needs of the system

Allen Creek Watershed Management Plan 2001

Vision Statement:

Most of Allen's Creek is enclosed and inaccessible -- out of sight and out of mind except when storm events make it a public nuisance or hazard. Many residents are likely unaware of its existence. With most of the watercourse enclosed, Allen's Creek is often thought of as an "urban drain" for stormwater conveyance.

Although Allen's Creek has the potential to be a community amenity, issues of water quality, flooding, ecological health and structural integrity overshadow the creek's potential. With proper planning, government oversight, educational efforts and community investment, Allen's Creek will again become a resource to the city. By improving the health of the Allen's Creek Watershed now, the city is likely to reap long-term savings.

This watershed plan lays out a rationale and process for working with stakeholders, including residents, business operators, and policy-makers to evaluate conditions, identify concerns and options, and implement policies and programs to improve the Allen's Creek Watershed. It is intended to serve as a working document.

Jerry Hancock, Stormwater and Floodplain Programs Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	
Other	MEDQ 2001

Total Plan Goals and Objectives:

6 goals, 35 objectives

Environmental Goals:

Clean Water; Viable Ecosystems; Health-Promoting Urban Environment

Geographic Location:

Huron River System – Allen Creek Watershed

Data and Indicators:

Allen Creek Health

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Improve the water quality of Allen’s Creek, minimally to a level that meets all appropriate Designated Uses of the State of Michigan in accordance with the Clean Water Act of 1972	<ul style="list-style-type: none"> • Identify and inventory existing relevant policies and regulations • Enhance compliance with existing regulations and policies by improving communication among stakeholders, in particular between government agencies, residents and business operators • Review public policies and regulations and promote improvements
Reduce the water volumes, velocities, delivery rates and peak discharges into the Allen's Creek during rain events, to reduce pollutant runoff and the risk of flooding, soil erosion, streambed erosion and ecological destruction in the creekshed	<ul style="list-style-type: none"> • Conduct water quality monitoring and collect data at several points within the creekshed • Identify locations that may allow measurements of water volume and water velocity even under surge conditions • Analyze the impervious surface in the watershed on a five-year basis and incorporate impervious surface reduction into any new city ordinances
Improve ground water recharge and infiltration	<ul style="list-style-type: none"> • Reduce the sources of non-point source pollution
Restore and enhance Allen’s Creek as a natural amenity by preserving and reviving the natural features of the creekshed, especially ravines, wetlands, woodlands, greenways and open stretches of the creek	<ul style="list-style-type: none"> • Initiate programs under the Great Lakes Commission's Soil Erosion and Sedimentation Control grant program to undertake the maintenance and restoration of the Allen's Creek ravines • Establish designated conservation easements on creek ravines, based on the precedent set along the ravine near Edmund Place at West Huron Street • Undertake a functional assessment of the wetlands of the Allen's Creek watershed and determine a criteria for preservation, enhancement and restoration potential
Promote stakeholder education and participation	<ul style="list-style-type: none"> • Facilitate watershed improvements through communication and open meetings with potential Stakeholders • Form the Allen's Creek Watershed Management Plan Steering Committee • Produce brochures, make presentations, publish articles, and organized educational events that focus on the watershed
Promote innovative programs to resolve issues of concern in the watershed	<ul style="list-style-type: none"> • Incorporate daylighted water courses into urban design to provide opportunities for reducing water velocities, erosion and flooding. • Institute a City-Wide office to oversee conversion of parking lot spaces, utilization of residential rain barrels, and implementation of rain gardens as alternative stormwater management practices • Preserve existing city and county owned properties in the City’s floodway and floodplain

City of Ann Arbor Greenhouse Gas Emissions Reduction Strategy
2003

Vision Statement:

The objectives of this Project are to: raise local awareness and understanding of the social, environmental, and economic benefits of reducing GHGs on a local and global scale; identify and quantify GHGs emitted by the City of Ann Arbor from 1990 to present, and project future emissions values to 2050 based on historic and future trends; identify and quantify the City of Ann Arbor’s emissions reduction accomplishments since 1990; identify a politically and economically feasible GHG emissions reduction target for the City of Ann Arbor to achieve by 2020; identify strategies to reduce GHG emissions generated by Ann Arbor’s transportation, residential, commercial, industrial, municipal solid waste sectors, the municipal government, and the University of Michigan’s Ann Arbor Campus that meet the reduction target specified by this Project.

Energy Office
 Public Services, Systems Planning

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

5 goals, 34 objectives

Environmental Goals:

Sustainable Energy; Stable Climate; Responsible Resource Use; Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Greenhouse Gas Emissions

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Develop programs prioritizing community outreach and education	<ul style="list-style-type: none"> • Develop educational programs that address heating and cooling • Develop programs that educate the community on climate change • Create a green youth corps program • Create a tree distribution and planting partnership program
Commit to energy conservation measures and methods	<ul style="list-style-type: none"> • Encourage sectors to replace older, less efficient technology, with newer, less energy intensive models • Develop a program to encourage and facilitate the installation of water-conserving fixtures and appliances in all sectors • Incentivize landlords to install energy efficient appliances
Create incentive programs that encourage alternative transportation options and alternative fuels	<ul style="list-style-type: none"> • Adopt a citywide ordinance to eliminate vehicle idling • Create a bike encouragement program that expands bike racks on all buses, expands bike lanes, and expands the police bike patrol • Encourage all permanent, full-time employees to adopt a flex-time work schedule
Reduce the total amount of landfilled materials each year by increasing waste efforts	<ul style="list-style-type: none"> • Establish 75% waste reduction mandates, to be met by the year 2020 which includes recycling, composting, reuse, and source reduction. • Add a downtown recycling drop-off site • Provide home composting and grass recycling training and seminars for residents
Support the efforts of state and federal decision-makers working to implement GHG reduction programs	<ul style="list-style-type: none"> • Draft a letter of support to Congressional lawmakers articulating • support for increasing CAFE for all passenger cars and light trucks

Water Treatment Facilities and Water Resources Master Plan 2006

Vision Statement:

The City of Ann Arbor recognizes the need to provide sustainable, high quality drinking water to its customers. To bolster the mission of serving its customers, in 2004 the City initiated a water treatment facilities and water resources master planning project. This project's vision is "to ensure a sustainable high quality and cost-effective drinking water system for the City of Ann Arbor."

Molly Wade, Unit Manager
Public Services, Water Treatment

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

Environmental Goals:

Clean Water

Geographic Location:

City of Ann Arbor and Huron River Watershed

Data and Indicators:

None

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Meet current service area demands and reduce demand through water conservation	<ul style="list-style-type: none"> • Maintain existing water plant capacity • Use water conservation measures to reduce demand by up to 10 million gallons per day (mgd) • Delay demand-related capital improvements
Determine strategy to meet City water demands in 2050	<ul style="list-style-type: none"> • Evaluate developing new groundwater supplies as a more cost-efficient and reliable future water source • Increase the reliability and security of the water supply system by using more than one water source
Protect Ann Arbor’s water supply	<ul style="list-style-type: none"> • Continue to develop comprehensive programs in river and groundwater monitoring, wellhead protection, and public education • Partner with other groups and communities within the watershed, since most of Ann Arbor’s watershed is outside the City’s jurisdiction • Advocate for stormwater management practices that are consistent with water quality protection and that are regularly maintained
Improve the quality of Ann Arbor’s drinking water	<ul style="list-style-type: none"> • Take an active role in watershed management through the Huron River Watershed Council and be an advocate for stormwater inspection and maintenance enforcement throughout the watershed, particularly within Washtenaw County • Enhance protection of drinking water sources through additional monitoring at river and groundwater facilities • Avoid areas contaminated with 1,4-dioxane for groundwater supply
Assess the condition of the water quality supply and the treatment facilities	<ul style="list-style-type: none"> • Develop a clear policy to capture preventative maintenance changes • Include performance measurement benchmarks for all relevant equipment • Identify future improvements and efficiently manage infrastructure
Meet water quality goals and regulations and continue to provide high quality water to customers	<ul style="list-style-type: none"> • Continue to provide high quality water • Maintain a high customer satisfaction rating • Consider implementing process modifications to provide softer water if customers desire and support the additional cost

Affordable Housing Needs Assessment (AHNA) 2007

Vision Statement:

The AHNA recommends that Washtenaw County preserves or creates 5,005 affordable housing units (rental and owner) primarily for low-income households by 2017.

The purpose of this study is to examine affordable housing in the county, as well as the factors that affect this housing, and present recommendations to address gaps in housing affordability and availability. This assessment will help ensure that all Washtenaw County residents live in decent, safe and affordable housing.

The goal of AHNA is to provide recommendations to policy makers to effectively address issues identified during the course of the study. These issues were identified through an analysis of demographic and housing market data, from review of policy documents, and from input provided throughout the course of the study from community meetings and interviews.

AHNA aims to implement tax policies and legislation, create or amend zoning and planning regulations, and provide technical and financial assistance to private developers and non-profits to preserve and develop affordable housing for low- and moderate-income households.

Jennifer Hall, Housing Manager
Washtenaw County, Office of Community Development

Review and Approvals:

City Council	Reviewed
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

10 goals

Environmental Goals:

Health-Promoting Urban Environment; Safe Community

Geographic Location:

Washtenaw County

Data and Indicators:

Number of affordable housing units preserved or created; population and household characteristics; characteristics of housing supply

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Preserve 920 units of low-income owner housing through green and energy efficient rehabilitation	<ul style="list-style-type: none"> • Preserve 10 units through rehabilitation in downtown Ann Arbor • Preserve 10 units through rehabilitation and energy efficiency improvements in Ann Arbor college tracts • Preserve 240 units through rehabilitation and energy efficiency improvements in other parts of Ann Arbor
Increase low-income owner housing by 445 units through down payment assistance	<ul style="list-style-type: none"> • Provide down payment assistance to 10 units in downtown Ann Arbor • Provide down payment assistance to 60 units in other parts of Ann Arbor • Provide down payment assistance for 100 first time homebuyers in Ypsilanti
Provide tax and mortgage foreclosure assistance to 150 households	
Ensure rental housing options for people under 80% AMI in every community	<ul style="list-style-type: none"> • Preserve of all existing income-restricted rental units in Ann Arbor
Develop 604 new low- and moderate-income green and energy efficient owner units	<ul style="list-style-type: none"> • 30 new efficiency & 1 bedroom units for 60% - 80% AMI in downtown Ann Arbor • 20 new efficiency & 1 bedroom units for 80% - 120% AMI in downtown Ann Arbor • 40 additional 2 – 4 bedroom units for 50% - 80% AMI with resale restrictions in Ann Arbor
Preserve 1,412 affordable rental units through refinancing and/or green and energy efficient rehabilitation	<ul style="list-style-type: none"> • Preserve 20 rental units for 80% AMI and less in downtown Ann Arbor • Implement façade improvement program in Ann Arbor college tracts • Preserve 130 units for 80% AMI or less through rehabilitation (could include public housing units) in Ypsilanti college tracts
Develop 684 new green and energy efficient rental units for low-income households	<ul style="list-style-type: none"> • 10 new efficiency & 1 bedroom units for under 50% AMI in downtown Ann Arbor • 20 new efficiency & 1 bedroom units for 80% - 120% AMI in downtown Ann Arbor • Construct 120 new rental units 0% - 50% AMI 1-3 bedrooms in Ann Arbor
Preserve all existing special needs units and shelters	<ul style="list-style-type: none"> • Preserve all existing special needs units and shelters in downtown Ann Arbor and Ann Arbor college tracts • Preserve all existing special needs units and shelters in Ypsilanti • Preserve all existing special needs units and shelters in urban townships
Create or preserve 566 green and energy efficient senior housing units	<ul style="list-style-type: none"> • Create 100 additional units of independent and assisted senior housing in Ann Arbor • Create 40 additional units for seniors in Ypsilanti • Create 130 additional units for seniors in urban townships
Develop 374 new green and energy efficient permanent supportive housing (PSH) units	<ul style="list-style-type: none"> • Create 100 new PSH units to replace YMCA single room occupancy housing in downtown • Create 200 additional units of permanent supportive housing for under 30% AMI which could be off-set by tenant-based rental assistance (TBRA) vouchers • Build 50 new permanent supportive housing units in suburban townships

*AMI stands for Area Median Income. Low-income households have incomes at 80% of the Area Median Income or less.

Solar Plan 2010

Vision Statement:

This plan is designed to prepare Ann Arbor for a sustainable energy future. With this plan, Ann Arbor has the potential to serve as a model for other communities looking to solar energy as an answer to rising energy costs, unstable energy supplies, stagnating local economies, and the negative environmental impacts of fossil fuel energy.

Energy Office
Public Services, Systems Planning

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

8 goals, 43 objectives

Environmental Goals:

Sustainable Energy

Geographic Location:

City of Ann Arbor

Data and Indicators:

Renewable Electricity Generation

Key Plan Goals	Plan Objectives
Commit to a solar plan implementation process	<ul style="list-style-type: none"> • Set phases for implementation and chart full implementation pipeline • Set timelines, responsibilities, and a budget for action • Hold regular advisory meetings
Design municipal solar financial incentives	<ul style="list-style-type: none"> • Promote and expand Property Assessed Clean Energy Program (PACE) • Offer an incentive for installation of solar hot water or solar PV systems • Add solar to property tax exemption
Simplify solar permitting	<ul style="list-style-type: none"> • Introduce the Permit Streamlining resolution created by Vote Solar • Expedite permitting for small scale, residential PV installations • Reduce other solar permitting barriers
Advocate for state-level policy changes	<ul style="list-style-type: none"> • Promote solar access laws such as Solar Rights • Strengthen financial incentives, Renewable Portfolio Standard, and building-energy codes and support improvements • Enact legislation encouraging community ownership of larger solar projects
Integrate solar into city infrastructure and culture	<ul style="list-style-type: none"> • Continue to install renewable installations at the municipal level • Require all city-owned installations be sub-metered and have Data Acquisition Systems • Integrate solar into high-visibility projects
Introduce solar access laws and robust building energy codes	<ul style="list-style-type: none"> • Assess, identify and eliminate solar access restrictions • Require energy audits for commercial and residential buildings • Create comprehensive building energy codes that facilitate solar energy systems
Create a solar outreach campaign	<ul style="list-style-type: none"> • Build upon existing solar installations • Create an outreach and marketing program through neighborhoods • Create a solar ambassador program to train and facilitate the outreach of solar educators
Support solar workforce development and green jobs	<ul style="list-style-type: none"> • Create partnerships with Detroit IBEW and other stakeholders • Provide scholarships to local installers or trainees to gain NABCEP certification • Require Green Jobs criteria that can be included as part of city-created Requests for Proposals

Water Distribution System Master Plan 2010

Vision Statement:

The purpose of the City of Ann Arbor Distribution System Master Plan project was to evaluate the water distribution system for the City of Ann Arbor and determine if there are system deficiencies that must be addressed.

The primary purpose of this review of the distribution system was to gain an understanding of how the distribution system evolved to its current configuration, what projects may have previously been proposed but were never completed and provide backup for establishing demand projections.

The City of Ann Arbor distribution system includes a total of five pressure districts and serves 114,800 in the City as well as 9,145 in Scio Township and 1,800 in Ann Arbor Township for a total service population of 125,800.

A hydraulic model was used for master planning. The model was used to identify and prioritize capital improvements projects that will upgrade the existing water distribution system. The model was also used to investigate and recommend future emergency connections to alternative water supply sources. Finally, the model was used to develop criteria to be used in asset management and preliminary recommendations were prepared.

Jennifer Lawson, Water Quality Manager
Public Services, Systems Planning

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

6 goals, 11 objectives

Environmental Goals:

Safe Community; Clean Water

Geographic Location:

City of Ann Arbor; Ann Arbor Township; Scio Township

Data and Indicators:

Current and Future Water Demand; Pressure Monitoring; Automatic Meter Reading (AMR)

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Maintain and enhance the distribution systems through a supportable and effective plan for the capital improvements projects (CIP)	<ul style="list-style-type: none"> • Add a new elevated storage tank in the West High Service District to create more consistent pressure regulation, provide protection against loss of system pressure during water main breaks, and to avoid expansion of the Liberty Reservoir • Install three new pressure reducing valve connections to enhance fire flow • Replace 6” water mains with 8” water mains on Ross and Duncan between Miller and Sunrise
Ensure all areas meet the hydraulic level of service	<ul style="list-style-type: none"> • Use fire flow analysis to identify hydrants that may not meet desired fire flow rates • Test hydrants to verify actual fire flow availability
Ensure adequate fire hydrant spacing	<ul style="list-style-type: none"> • Identify older areas of the City that may not meet current desired fire hydrant spacing • Include increased fire hydrant density in designs for these areas during water main construction
Maintain a sustainable infrastructure	<ul style="list-style-type: none"> • Replace five miles of pipe per year to sustain infrastructure
Pursue opportunities to coordinate infrastructure replacement with road and sewer construction	<ul style="list-style-type: none"> • Pursue projects that coincide with road renewal projects or sewer construction that may be economically advantageous through opportunities for shared construction costs • Assess conditions of water mains to determine remaining actual service life prior to potential road or sewer project implementation
Replace inoperable key valves	<ul style="list-style-type: none"> • Provide annual replacement of valves from 2011 to 2015

**Washtenaw Urban County Consolidated Strategy and Plan –
5 Year Consolidated Plan (Consolidated Plan)
2010 (July 1, 2008 – June 30, 2013)**

Jennifer Hall, Housing Manager
Washtenaw County, Office of Community Development

Vision Statement:

The Washtenaw Urban County community is committed to creating housing and economic opportunities to provide a suitable living environment, principally for our low to moderate-income residents.

Review and Approvals:

City Council	Reviewed
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

4 goals, 11 objectives

Environmental Goals:

Health-Promoting Urban Environment; Safe Community; Local Food Sufficiency

Geographic Location:

Urban County Jurisdictions: City of Ann Arbor, City of Ypsilanti, Ann Arbor Township, Bridgewater Township, Salem Township, Pittsfield Township, Northfield Township, Superior Township, Ypsilanti Township, York Township, Scio Township

Data and Indicators:

Housing units constructed, rehabilitated, and/or acquired; Housing people served by non-profit agencies; Housing units inspected; Public facilities improved; Infrastructure projects constructed or improved.

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
<p>To enhance the affordability of decent housing for low- and moderate-income households</p>	<ul style="list-style-type: none"> • 50 LMI households will become first-time homebuyers by purchasing newly constructed or rehabilitated homes • 25 units of affordable rental housing will be identified, acquired and/or rehabilitated for special needs, homeless, and/or households with incomes under 50% of AMI • 70 LMI households will receive low- or no-interest loans/grants to rehabilitate their homes for increased safety and quality
<p>To increase the sustainability of decent housing for low- and moderate-income households</p>	<ul style="list-style-type: none"> • 2,160 Rental Housing Units in West Willow & Sugarbrook will be Inspected for Code Compliance (the same 432 units annually)
<p>To improve the availability/accessibility of public services for low- and moderate income residents, in order to create a suitable living environment</p>	<ul style="list-style-type: none"> • 1,110 households will receive public services to promote housing and community stability • 340 individuals with special needs will receive human services to improve safety and livability • 885 residents will receive human services to promote community inclusion and increase economic opportunities • 3 community plans and/or needs assessment will be developed to address needs in LMI communities
<p>To improve the sustainability of low- and moderate-income neighborhoods, in order to create a suitable living environment</p>	<ul style="list-style-type: none"> • 110 public facility or infrastructure needs will be identified and addressed annually to increase safety and sustainability • 15 public facilities will have increased or improved functionality • 11 properties will be demolished to increase the livability and sustainability of target neighborhoods

Resolutions and Ordinances

This section includes resources other than plans that provide direction and guidance to further Ann Arbor's sustainability initiatives.

Title	Resolution Number	Date Approved	Resolution Goal(s)	Environmental Goal(s)
Floodplain Management Resolution of the City of Ann Arbor, Michigan		November 1991	<ul style="list-style-type: none"> To continue to participate in the National Flood Insurance Program and comply with all applicable statutory and regulatory requirements for the purposes of significantly reducing hazards to persons, property damage and public expenditures, and to provide for the availability of flood insurance and federal funds or loans 	Safe Community
Support of Clean Car Campaign and Establishment of a Green Fleet Policy	R-412-8-00	August 2000	<ul style="list-style-type: none"> Develop within nine months a comprehensive Green Fleets policy for Council approval that promotes the purchase and operation of vehicles that lead to measurable reductions in the environmental and public health impacts 	Stable Climate
Authorize Washtenaw County to Include the City of Ann Arbor in the Zone of the Washtenaw County Brownfield Redevelopment Authority	R-35-1-02	January 2002	<ul style="list-style-type: none"> Authorize Washtenaw County to Include the City of Ann Arbor in the Zone of the Washtenaw County Brownfield Redevelopment Authority 	
Brownfields Implementation Plan	R-269-6-02	June 2002	<ul style="list-style-type: none"> Clean contaminated sites to a more restrictive standard that is selected by the City of Ann Arbor Use Tax Increment Financing (TIF) to encourage development that provides significant environmental benefits to the City that would not likely occur without TIF Use TIF for projects where there is a net increase in taxable value Exhaust all opportunities to reduce City costs (e.g., Potentially Responsible Parties) to maximize the City's investment 	
City of Ann Arbor Green Fleets Policy	R-412-8-00	May 2004	<ul style="list-style-type: none"> Purchase and use the most cost-effective and lowest emission vehicle or equipment possible, while still meeting the operational requirements of the department Fleet assets shall be selected, acquired, and utilized in a manner that provides for the best possible support of City operations through environmentally responsible fleet management 	Stable Climate
Creating a Task Force to Plan a New Greenway	R-374-8-05	August 2005	<ul style="list-style-type: none"> City Council will, no later than September 6, 2005, appoint a nine member task force that will serve until September 30, 2006, to work with City Staff and others involved in the Downtown planning process to develop a recommendation for a new Greenway that will follow roughly along the Ann Arbor Railroad Right of Way to the west of Downtown and connect with the existing Huron River Greenway 	Health-Promoting Urban Environment
Renewable Energy Goals for Ann Arbor	R-172-5-06	May 2006	<ul style="list-style-type: none"> Amends city code to include a new chapter known as the manufactured fertilizer ordinance. This ordinance regulates the use and application of manufactured fertilizer and manufactured fertilizer containing phosphorus, to require the registration of commercial and institutional applicators of manufactured fertilizers within the City, and to require the distribution of informational literature to consumers about the use and effect of manufactured fertilizers and manufactured fertilizers containing phosphorus. 	Sustainable Energy
Ann Arbor 5,000 Solar Roofs Initiative	R-342-7-06	July 2006	<ul style="list-style-type: none"> City of Ann Arbor will work with education, business and environmental communities to promote the use of solar energy for heating domestic hot water 	Sustainable Energy; Stable Climate
The Allen Creek Greenway	R-258-6-05	March 2007	<ul style="list-style-type: none"> Establish connectivity between the three City-owned sites for the Allen Creek Greenway (site, current use) 	Health-Promoting Urban Environment
Adopting Environmental Action Plan Principles and Environmental Action Plan Goals	R-330-7-07	July 2007	<ul style="list-style-type: none"> Establishes environmental action plan principles and ten environmental action plan goals for the City (clean air, clean water, efficient mobility, health-promoting urban environment, local food sufficiency, responsible resource use, safe community, stable climate, sustainable energy, and viable ecosystems) 	All

Area, Height and Placement Ordinance	ORD-10-34	January 2011	<ul style="list-style-type: none"> Recent amendments to the ordinance aim to adjust Area, Height, and Placements standards to promote non-motorized access, encourage mixed land uses, and encourage efficient use of land and infrastructure. Revisions include: reductions in minimum front setbacks, new maximum front setbacks, increases in height for commercial and multifamily districts, increases in Floor Area Ratio (FAR) for commercial districts, a new single-family zoning district (R1E), and allowance of more residential uses in the research zoning district. 	
Update Energy Challenge Goals		February 2011	<ul style="list-style-type: none"> Recommends new Energy Challenge goals for municipal operations of reducing greenhouse gas emissions 50% from 2000 levels and using 30% renewable energy by 2015 Recommends new city-wide Energy Challenge goals of reducing greenhouse gas emissions 8% from 2000 levels and using 5% renewable energy by 2015 	Sustainable Energy; Stable Climate
Set Energy Challenge Goals	R-11-142	April 2011	<ul style="list-style-type: none"> Reduce greenhouse gas emissions in municipal operations 50% from 2000 levels by 2015 Use 30% renewable energy in municipal operations by 2015 Reduce community-wide greenhouse gas emissions 8% from 2000 levels by 2015 Use 5% renewable energy community-wide by 2015 	Sustainable Energy; Stable Climate
Landscape and Screening Ordinance	ORD-11-09	June 2011	<ul style="list-style-type: none"> Recent amendments to the ordinance: improve the appearance of vehicular use areas and property abutting right-of-way, revise buffer requirements between conflicting land uses, reduce negative impacts of stormwater runoff, improve pedestrian movement within a development site, and preserve existing significant vegetation 	
Support of the Allen Creek Greenway	R-11-0947	August 2011	<ul style="list-style-type: none"> Directs City staff to continue to work with and to assist the Allen Creek Greenway Conservancy during the Greenway's development and implementation phases 	Health-Promoting Urban Environment